

VII. LIST OF INSTRUMENTS

No.	Name of the Instruments	Year of Purchase	Cost in Rs.
HISTOPATHOLOGY			
1.	Cryocut Microtome	1980	45,403
2.	Automatic Tissue Processor	1985	2,37,247
3.	Cryostat Bench Standing Microtome	1987	86,010
4.	Baush & Lomb Galen III Microscope	1989	81,716
5.	Nikon Japan Binocular Research Microscope	1994	3,46,317
6.	Rotary Microtome BRIGHT 5040	1995	3,97,988
7.	Nikon Japan Binocular Research Microscope LABOPHOT - Y2 45	1995	4,84,096
8.	Cryostat Bench Model BM/FAS-001 'BRIGHT'	1995	4,30,954
9.	Leitz Binocular Microscope Model LABORRUX-5	1995	6,40,026
10.	Shandon Laboratory Equipment (Histocentre, pathcentre, Autosharp Microtome, knife, slide stainer, cytopspine)	1997	23,18,185
11.	Leica Teaching Microscope DMLB	1997	2,94,429
12.	Trinocular Phase Contrast Microscope with computer & Networking – 5 Nos "AXIOSTAR"	2002	15,40,950
13.	Yorco Automatic Tissue Processor YSI-103 – 2 Nos.	2003	2,82,891
14.	Rotary Microtome Leica RM-2125 – 2 Nos.	2004	4,79,066
BIOCHEMISTRY			
15.	Fully Automatic Batch Analyzer Clinical System 700	1992	11,13,213
16.	ABL 510 Computerized Blood Gas Analyzer	1994	9,40,241
17.	Beckman Synchron CX-7 Delta Automatic Chemistry Analyzer	1997	61,99,909
CYTOLOGY			
18.	Cytocentrifuge 'Shandon'	1982	26,198
HAEMATOLOGY			
19.	Nikon Binocular Research Microscope - 2 sets.	1984	40,730
20.	STIKS COULTER Automatic Cell Counter	1997	31,20,000
21.	Sartorius Electronic Balance	1998	1,06,907
22.	Blood Cell Counter with Three Parts Differential Count	2002	3,70,000
23.	Blood Cell Counter Coulter ACT– 2 Nos	2004	8,00,000
24.	Fully Blood Coagulation Analyzer ACL – 100 – 1 No.	2004	6,00,000
BLOOD BANK			
25.	Forma Scientific Platelet Incubator & Platelet Agitator	1997	3,29,775
26.	CODA Automated EIA Analyser	1997	10,61,810
27.	Baxter Optipress System	1997	5,90,000
28.	Heavy duty refrigerated Centrifuge	1997	5,90,000
29.	Blood Cell Separator Baxter	1997	14,50,000
30.	Cell Saver Equipment	1998	1,06,600
31.	Nikon Japan Trinocular Inverted Microscope Model TS-100 F	2000	3,58,054
32.	Laminar Air Flow System AHL-16	2000	39,000
33.	Blood Bank Refrigerated Centrifuge	2001	15,51,000
34.	Blood Bag Refrigerated 'Best'	2001	64,790
35.	Hemo Pharm Blood Bag Tube Sealer BT-200	2001	1,26,000
36.	Blood Irradiator-BARC	2001	15,00,000
37.	Sterile Connecting Device for Sterile Tubing welder	2002	5,00,000
38.	Biochemistry Analyzer BTR-830 – 2 Nos	2004	4,00,000
MICROBIOLOGY			
39.	Dias UV fast Automatic Micro plate Elisa Reader (Dynatech)	1995	10,40,898
40.	Horizontal High pressure Cylindrical Steam Sterilizer	1997	1,11,720
41.	Bactec 9050 Blood Culture System	1999	4,77,000
42.	Perkin Elmer PCR System (Thermal Cycler) - 9700	2000	6,25,455
43.	Gel Electrophoresis GTH-15	2000	87,041
44.	Millipore Water System	2000	50,000

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80.	Valley Lab Force-4 Electro Surgical Generator	1988	1,17,040
81.	Hospilight Halogen Million Light	1990	2,73,914
82.	Operating Table DR 7700 B 'BELMONT' – 2 sets	1990	9,02,010
83.	Spiro Analyzer ST 300 C	1990	1,43,900
84.	National Panasonic TV Camera System for D.K.K. Operating Light	1991	4,07,800
85.	Infasomate Secure Pump	1993	89,200
86.	Operating Table DR 7700 B 'BELMONT'	1993	9,99,903
87.	Halogen Million O.T. light HA 4FL – 6 sets	1994	7,41,407
88.	Rectangular Steam Sterilizer Auto Sliding Door	1994	1,70,572
89.	Rectangular Steam Sterilizer 600 x 600 x 1200 mm single Door, No. 289	1994	4,54,860
90.	Lawton Vascular & Endoscopic Instruments	1994	9,38,296
91.	Table Sterilizer small High speed Autoclave, No. 116	1995	37,905
92.	Lawton Vascular & Endoscopic Surgical Instrument	1996	6,63,520
93.	Operation Theatre Light 'PHILIPS' – 2 sets	1996	3,80,000
94.	Horizontal H.P. Sterilizer 2x2x4 mm, No. 289	1997	6,46,800
95.	Instrumental washer and disinfector No. 111	1997	74,480
96.	Hydraulic O.T. Table	1997	1,82,000
97.	Horizontal H.P. Sterilizer 2x2x4mm No.291	1997	6,46,800
98.	Horizontal High pressure cum Low Pressure ETO Sterilizer No. 514	2000	95,000
99.	Vital Sign Cardiac Monitor – 6 Nos.	2002	14,00,000
100.	Portable Pulmonary Function Test (SPIROMETER)	2002	1,15,000
101.	Anaesthesia Ventilator with Battery Backup MX-10AL – 3 Nos.	2003	2,40,000
102.	Operating Laryngoscope with accessories "Karl Storz"	2003	4,31,000
103.	CO2 Laser PDR-30 JZ	2003	12,48,560
104.	Therapeutical Laproscopic Set for MIS Surgery –1 set (Indian make)	2003	5,64,020
105.	Therapeutical Laproscopic Set for MIS Surgery – 1set (Germany)	2003	5,24,520
106.	Microclean Ceiling Suspended Laminar Airflow connected with Operation Light – 1 set	2003	1,94,750
107.	Fogaster-ULV Fogging Machine – 2nos.	2003	44,063
108.	Ultrasonic Harmonic Scalpel (Gen-04)	2004	10,45,000
109.	Ceiling Halogen Light Single Dome with 4X4 Reflector Model: AG 4 (Twin)	2004	1,49,890
110.	Laprosopic Instruments of Karl Storz Germany – 1set	2004	13,27,827
111.	Leica Surgical Operating Zoom Microscope Model MS-1 with CCTV Camera	2001	24,15,563
112.	Manman New Mini Simple Burr Hand Piece (electronic) 1 No.	2005	43,031
113.	Manman Driving Unit-1No.	2005	21,835
114.	Manman pen type drill with 4 mm check New Mini Salttal saw Handpiece (electronic) 1No.	2005	10,241
115.	Under water Electro Surgical Unit HM-400 H with all Standard Accessories serial No. 183 2 No.	2005	1,08,000
116.	Sterrad Nx Hydrogen Peroxide Low temperature Gas Plasma Strilization system	2005	2,00,000
117.	Bronchscope Tube universal 6.5x43 cm-7010318 A 8.5x43cm-7010318 B-2 No.	2005	61,600
118.	Fogstar- ULV Machine Formaldehyde Free Fumigation	2005	20,736
INTERVENTIONAL THERAPEUTIC CENTRE			
119.	Peritoneoscope,Cystoscope Cholangiography Sigmoidoscopy with Accessories	1984	2,35,693
120.	Karl Storz Endoscopes with Accessories	1986	8,39,227
121.	Diagnost-5 Compact Image Intensifier Integrated X-ray System	1988	10,11,111

No.	Name of the Instruments	Year of Purchase	Cost in Rs.
122.	Tracheal Intubation Fiber scope 'Olympus'	1992	2,23,168
123.	Colonovideoscope CFIT 100 'Olympus'.	1994	8,94,321
124.	Video Olympus Endoscopes TJF 200 GIF 2T 200 BFIT 200	1996	37,41,297
125.	PENTEX Fiberoptic Gastroscope with standard accessories. Model FG-29V	2003	3,19,500
126.	PENTEX Fiberoptic Colonoscope with standard accessories & light source Model FC-38LV	2003	4,49,000
127.	Video Endoscopic System "PENTEX" 1) Gastroscope with accessories EG-2930 K 2) Duodenoscope with accessories ED-3430TK 3) Colonoscope with accessories EC-3830 LK	2003	18,50,500
128.	Fiber Optic Bronchoscope BF-TE2	2004	4,07,000
SURGICAL ONCOLOGY			
129.	Urolose Fibre	1995	2,32,203
130.	1) Compact drainage pump 2) Universal Secretion	1996	7,30,297
131.	Lawton Vascular & Endoscopic surgical Instruments.	1996	2,25,526
132.	Micro Processor Controlled solid state electro surgical unit Bovie X-10 - 2 Sets	1997	10,43,000
133.	Surgical Diatherapy	1997	2,25,000
134.	Biopty Biopsy Inst. with Needle BARD	2000	88,950
NEUROSURGERY			
135.	1) Siemens Siremobil compact economic IITV System with C-Arm 2) Siemens Siremobil 1000-2 Mobile X-ray I.I. with C-Arm D.S.A.	1997	59,31,400
136.	M 1205 A, Omicare 14 - 4 channel LCD Modular Monitoring System	1997	7,78,724
137.	HP Medical M.1166 A - 6 channel color Anesthesia, component monitoring System	1997	30,77,100
138.	Excel 2lose Ohmeda Anesthesia System - 2 sets	1997	19,46,966
139.	Bear 1000 Micro Processor Ventilator - 2 sets	1997	23,85,846
140.	System 6000 Argon Beam Coagulator - 2 sets	1997	14,83,741
141.	Carl Zeiss Surgical Operating zoom microscope OPMI Pro-magic	1997	15,77,623
142.	Lawton Microsurgical Instruments & Endoscopic Surgical Instruments	1997	18,43,517
143.	Hilan High Speed Motor System	1997	10,16,800
144.	Maquet ALPHASTAR 1132.01 Universal Mobile Operating Table - 2 sets	1997	23,62,718
145.	Valleylab CUSA System 200	1997	26,31,000
146.	Philips O.T. Light for Neurosurgery - 2 sets	1997	4,18,000
147.	Radionics Linear Accelerator Stereotactic Radiation System	1998	1,50,18,345
148.	Multi Purpose Head Frame Type II set	1998	6,89,216
149.	Mizuho Sugita Neuro Surgical Instruments	1998	3,75,281
150.	Horizontal H.P. Cylindrical Steam Sterilizer 20 x 48	1998	1,78,752
151.	H.P. cum regular speed ETO Sterilizer Single Door 20x48	1998	2,01,096
152.	Gloves Processing Unit 1) Gloves Inspecting Machine 2) Gloves Washing Machine 3) Gloves Drying	1998	1,91,520
153.	Table Top Sterilizer 24W x 16L x 20D	1998	44,688
154.	Table Top ETO Sterilizer	1998	78,800
155.	Various Neuro Surgical Instruments	2000	6,33,920
156.	Intra Cranial Pressure Monitoring System – 2	2001	5,86,992
157.	High Speed Pneumatic Craniotome with Drill "MIDAS REX"	2002	10,42,608
158.	CRW Target Calculations software Stereocalc SC-SW-1CD – Radionics	2003	2,20,000

No.	Name of the Instruments	Year of Purchase	Cost in Rs.
159.	Micro Surgical Instruments & Instruments for Spinal Fusion "SISCO" – 24 items – 69 Nos.	2003	97,073
160.	Manman Cranitome complete 1 No.	2005	1,11,937
161.	Q cutler CRANITOME 5 No. (set)	2005	13,417
162.	Fogstar- ULV Machine Formaldehyde Free Fumigation Denice 1 No.	2005	20,736
GYNAECOLOGICAL ONCOLOGY			
163.	Carl Zeiss Colposcope OPMI IFC	1989	3,33,600
164.	Leisgang Standard Colposcope Model ID	1991	1,05,134
165.	Colposcope OPMI 1-FC-2 Nos.	1994	16,03,854
MEDICAL ONCOLOGY			
166.	BEAR 1000 Ventilator	1993	15,36,405
167.	BCI 9100 Series Multigas Monitor	1994	20,35,952
168.	Anaesthesia Apparatus Excel '80' - 2 sets	1997	9,00,000
169.	Volumetric Infusion pump - 12 sets	1998	7,48,800
170.	Revco Ultra Low Temp Deep Freezer - 140°C	1999	10,31,056
171.	Computer Controlled Rate Freezer Ice cute 181°C	1999	8,02,515
172.	Liquid Nitrogen Ultra Deep Freezer 10K Cry storage System -180°C.	1999	5,35,260
173.	153013 HAMILTON AMADEUS Ventilator	1999	6,84,856
174.	Blood Cell Separator C.S. 3000 Plus "BAXTER"	1999	20,85,300
175.	Baxter SPS-1550-Hemodialysis machine	1999	7,22,228
176.	S.S. scrub machine	1999	5,70,145
177.	Volumetric Infusion Pump Infutec 520 S (4 Nos)	1999	2,06,000
178.	Cardiac Resuscitation System	1999	3, 48,732
179.	Concept Multipara Monitor with printer - 5 Nos	1999	8,55,625
180.	Cardiac Resuscitation System	1999	3, 48,732
No.	Name of the Instruments	Year of Purchase	Cost in Rs.
181.	Concept Multipara Monitor with printer - 5 Nos	1999	8,55,625
182.	BPL Defibrillator with cardiac Monitor Model No.DF-2509-2 Nos.	2004	2,00,000
RADIOTHERAPY			
183.	Linear Accelerator SL 75-5 Sr.No. 327 'PHILIPS'	1980	67,41,653
184.	Selectron Equipment	1983	12,50,000
185.	Simulator Equipment 'PHILIPS'	1983	31,00,000
186.	Linear Accelerator SL-75-5 Sr.No. 3021 'PHILIPS'	1989	75,24,243
187.	'Nucletron' Treatment Planning System	1993	14,06,150
188.	Linear Accelerator 20 MEV Sr.No.5232 'PHILIPS'	1993	2,53,19,708
189.	Micro Selectron HDR Brachytherapy	1995	18,72,624
190.	Varian Ximatron CX Radiotherapy Simulator	1997	1,54,46,200
191.	Digital Plate Film Recorder	1997	3,74,293
192.	Siemens or Doppler Ultrasound G-50	1998	20,00,000
193.	'Nucletron' Plato Treatment Planning System	2000	2 9,43,769
194.	15 MEV Precise Digital Linear Accelerator	2001	5,13,00,000
195.	Plato 3D Radiotherapy Treatment Planning System & accessories for LA-4. Networking TPS to Precise Digital Linear Accelerator	2003	4,03,711
196.	ION chamber Based Survey Meter (451P-RyR Invision)	2004	1,30,890
197.	ICRT Applicator Set for Selectron LDR	2004	3,04,395
198.	CVC Applicator Set for Micro-HDR	2004	1,34,450
199.	E-Class Hopkins II Telescope 70° with Fiber Optic Light Cable & Light Source	2005	83,100
200.	Q. A. Equipment Blue Phantom Dosimetry system with Accessories		61,63,722
201.	Upgrade of Precise Digital Linear Accelerator with MLC Hardware and IMRT Software		2,08,84,000
202.	Digital cold Light Source 24 V, 252W twin		12,000

No.	Name of the Instruments	Year of Purchase	Cost in Rs.
203.	E-Class Itopkins II Telescope 70° 4mm (Sr.No.6218435) Cat No.7230 (WACS) -1No.		51,300
204.	Fiber Optic Light Cable 3.5 (Lot:MF) Cat.No.495NL		19,800
205.	Fogstar- ULV Machine Formaldehyde Free Fumigation		20,736
MEDICAL PHYSICS			
206.	PTW Dosimeter Aspirator	1996	4,11,196
CELL BIOLOGY			
207.	Photo Microscope-III 'Zeiss'	1980	2,24,069
208.	Research Microscope 'Zeiss'	1980	1,80,000
209.	Vacuum Pump & Nova-II	1982	31,038
210.	Photomicrographic Exposer	1982	10,200
211.	Nikon Binocular Research Microscope - 4	1984	1,02,638
212.	Sartorius Electronic Balance	1984	8,321
213.	Lyophiliser	1989	2,27,893
214.	Laboratory Microscope Olympus BHT 112	1991	64,562
215.	Binocular Res. Microscope Nikon - 3 No	1992	2,41,581
216.	Confocal Microscopy MRC - 1000 Biorad	1995	38,62,651
217.	CO2 Incubator	2000	2,64,325.00
218.	Automatic Karyotyping System with Fluorescence Microscope	2000	37,74,000
219.	ISIS Software for up gradation of Automatic Karyotyping IKAROS-3	2004	5,98,758
220.	Multicolor Karyotyping system with compatible CCD Camera computer and Laser Colour Printer		26,36,888
221.	LG-366 DMQ Capacity 350 Liters LG-454 TM Capacity 430 Liters		52,500
MOLECULAR ENDOCRINOLOGY			
222.	Brinkman Polytron Homogenizer	1981	28,315
223.	Micro Rapid System Electrophoresis	1986	6,709
224.	Automatic Gamma Counter H.P. COBRA	1991	6,39,000
225.	Ultra Centrifuge 'Beckman' L7-65.	1992	16,23,810
226.	Fotodyne System with MP 4 Camera	1993	2,51,000
227.	GNA 200 Gel Electrophoresis	1993	2,43,641
228.	Ultra Low Temperature Deep Freezer -80°C ULT-1386	1993	3,92,000
229.	Mini Protein-II Cell Biorad	1993	33,802
230.	Table Top Refrigerated Centrifuge Beckman GS-6R	1994	3,81,578
231.	Elgastat Prima water purification system	1994	3,88,285
232.	SLAB Gel Dryer 'Biorad'	1994	57,255
234.	VCX-400 Microprocessor based Vibra-Cell Ultrasonic Processor	1994	1,27,465
235.	Refrigerated Centrifuge Avanti – 30	1995	6,67,737
236.	Gene Amp PCR System 9600 Perkin - Elmer Cetus	1995	5,71,366
237.	Hybridization Oven Amersham RPN 2510	1995	84,731
238.	Rotary Microtome Leica 2035-2	1995	4,51,789
239.	D Gene Complete System, mini protean cell, Gel Dryer. 'BIORAD'	1996	3,54,000
240.	High Speed Micro Centrifuge 'Sigma 113'	1996	47,358
241.	Rotor for Beckmann Centrifuge	1996	6,00,448
242.	Liquid Scintillation Counter Wallac 1409	1996	8,76,400
243.	Amersham Contamination Monitor	1997	42,574
244.	Centrifugal Evaporator RC 10.10	1997	2,61,379
245.	Ultima series Ultra Low temp. Deep Freezer - 86°C ULT 2186 9V 'REVCO'	1997	9,09,357
246.	Milli Q plus System	1997	2,15,129
247.	Spectrophotometer	2001	5,50,644
248.	Water Purification System ZIXS 5010Y ELIX-10	2004	1,75,972
249.	Microcentrifuge (RC-4815D Eltek)	2004	62,700
RECEPTOR AND GROWTH FACTOR LAB			
250.	Tissue Microdismembratorl	2001	3,03,522
251.	Multigas 3 S-R Refrigerated Table Top Centrifuge	2001	4,63,961
252.	Liquid Nitrogen Cryostorage System	2001	3,64,750

No.	Name of the Instruments	Year of Purchase	Cost in Rs.
253.	Thermolab System Multiscan Spectrum UV Spectrophotometer with computer	2002	12,36,200
254.	Power Pack for Electrophoresis	2002	1,30,000
255.	Real Time PCR System ABI Prisma - 7000	2004	24,44,352
256.	Master Cycler CP Gradient with Manual Lid inclusive of control Panel (5340002.000) equipment		3,02,762
257.	AIRTECH' make Laminar Air flow cabinets. Size 4'x2'x2' (Horizontal) Model: ATH 1200		61,750
BIOCHEMISTRY RESEARCH			
258.	Microzone Electrophoresis System.	1980	28,069
259.	HPLC DFB System & Electrophoresis System	1993	15,63,000
260.	Ultima series Ultra Low temp. Deep Freezer - 86°C ULT 2186 9V 'REVCO'	1997	9,09,357
261.	Bio-Rad Densitometer integrated System	1997	19,80,847
262.	Beckman DU-640 Spectrophotometer	1997	9,36,869
263.	Fluorescence Spectrophotometer	2001	15,21,237
264.	Systronics Double Beam UV-VIS Spectrophotometer Type 2201	2003	3,03,441
265.	Proteomic Work Station (Protean IEF System)	2004	16,04,805
IMMUNOHISTOCHEMISTRY			
266.	Hyper Cut Rotary Microtome 'Shandon'	1985	61,867
267.	Rotary Microtome Leica 2035-2	1995	4,51,789
268.	Facsort Flow Cytometer System	1995	41,26,490
269.	LeitzAdvanceresearch Microscope Model DMRB with Micro Pathology	1995	7,10,844
WARDS			
270.	Servoventilator 900 C – Siemens (ICU)	1989	4,46,500
271.	Air Sterilizer 4 Nos (Leukemia F. Ward) 2 Nos (Leukemia M. Ward) 2 Nos(Paediatric Leukemia) 2 Nos(BonemarrowspWard) 2 Nos (Special Ward)	2002	2,55,368
272.	Pulse oximeter with Alrams Model: TOP SAT-DX 1No (PostOp Ward) 1No. (ICU) 2Nos (BMT unit / Medical Ward)	2005	1,04,000
273.	Fire extinguishers ABC MAP 90 (SP) FE 2 Kg- 34Nos. ABC MAP 90 (SP) FE 5 Kg-13Nos. CleanAgent HCFC 123 FE 2 Kg-6Nos.	2005	1,86,500
COC, Vasna			
274.	LCD Projector	2004	79,178
275.	Olympus Binocular Microscope	2004	73,000
Total Cost			43,25,52,355